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- |                            |   |
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| <a href="#"><u>#1</u></a>  | (smart antenna and packet<in>metadata) and (preamble or header)       |
| <a href="#"><u>#2</u></a>  | (smart antenna and packet<in>metadata) and (preamble or header)       |
| <a href="#"><u>#3</u></a>  | (smart antenna and packet<in>metadata) and (preamble or header)       |
| <a href="#"><u>#4</u></a>  | (smart antenna and packet<in>metadata) and (preamble or header)       |
| <a href="#"><u>#5</u></a>  | (smart antenna and packet<in>metadata) and (preamble or header)       |
| <a href="#"><u>#6</u></a>  | (smart antenna and packet<in>metadata) and (preamble or header)       |
| <a href="#"><u>#7</u></a>  | (smart antenna and packet<in>metadata) and (preamble or header)       |
| <a href="#"><u>#8</u></a>  | (directional antenna and packet<in>metadata) and (preamble or header) |
| <a href="#"><u>#9</u></a>  | (directional antenna and packet<in>metadata) and (training sequence)  |
| <a href="#"><u>#10</u></a> | (directional antenna and packet<in>metadata) and (training sequence)  |
| <a href="#"><u>#11</u></a> | (directional antenna and packet<in>metadata) and (training sequence)  |



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- |                            |  |
|----------------------------|--|
| <a href="#"><u>#1</u></a>  | ((wlan and training sequence)<in>metadata)                 |
| <a href="#"><u>#2</u></a>  | ((wlan and directional)<in>metadata)                       |
| <a href="#"><u>#3</u></a>  | ((wlan and directional)<in>metadata)                       |
| <a href="#"><u>#4</u></a>  | ((wlan and directional)<in>metadata)                       |
| <a href="#"><u>#5</u></a>  | ((wlan and directional)<in>metadata)                       |
| <a href="#"><u>#6</u></a>  | ((wlan and directional)<in>metadata)                       |
| <a href="#"><u>#7</u></a>  | ((wlan and directional)<in>metadata)                       |
| <a href="#"><u>#8</u></a>  | ((wlan and directional)<in>metadata)                       |
| <a href="#"><u>#9</u></a>  | ((wlan and directional)<in>metadata)                       |
| <a href="#"><u>#10</u></a> | ((wlan and directional)<in>metadata)                       |
| <a href="#"><u>#11</u></a> | ((wlan and directional)<in>metadata)                       |
| <a href="#"><u>#12</u></a> | ((wlan and directional)<in>metadata)                       |
| <a href="#"><u>#13</u></a> | ((wlan and directional)<in>metadata)                       |
| <a href="#"><u>#14</u></a> | (wlan or ad hoc) and diveristy                             |
| <a href="#"><u>#15</u></a> | ((wlan or ad hoc) and diversity<IN>metadata)               |
| <a href="#"><u>#16</u></a> | ((wlan or ad hoc) and diversity<in>metadata) and direction |



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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	("5325403"   "5530926"   "5952963"   "6185266").PN. OR ("6456675").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/20 08:44
L2	11	("4327382"   "5369801"   "5446922"   "5628052"   "5748676").PN. OR ("6292516").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/20 09:03
L3	8	("3611381"   "5109390"   "5267261"   "5583852"   "5625885"   "5815116"   "5893033").PN. OR ("6140961").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/20 09:08
L4	28	("4977616"   "5097484"   "5203024"   "5369801"   "5446922"   "5724666"   "5884178").PN. OR ("6032033").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/20 09:17
L5	14	("0544692"   "4513412"   "4777542"   "5339316"   "5369801"   "5781540"   "5781592").PN. OR ("6018555").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/20 09:28
L6	18	(US-20010022557-\$ or US-20030119468-\$ or US-20040196822-\$).did. or (US-4977616-\$ or US-5369801-\$ or US-5952963-\$ or US-6018555-\$ or US-6292516-\$ or US-6456675-\$ or US-6661857-\$ or US-6304215-\$ or US-5530926-\$ or US-5748676-\$ or US-6931244-\$ or US-6873835-\$ or US-6847810-\$ or US-6839573-\$ or US-4777542-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/09/20 09:38
L7	11	(US-20030119468-\$).did. or (US-4977616-\$ or US-6018555-\$ or US-6292516-\$ or US-6456675-\$ or US-6661857-\$ or US-6304215-\$ or US-5530926-\$ or US-5748676-\$ or US-6847810-\$ or US-4777542-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/09/20 10:29
L8	10	(US-20030119468-\$).did. or (US-4977616-\$ or US-6292516-\$ or US-6456675-\$ or US-6661857-\$ or US-6304215-\$ or US-5530926-\$ or US-5748676-\$ or US-6847810-\$ or US-4777542-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/09/20 10:32
L9	5	(US-20030119468-\$).did. or (US-6456675-\$ or US-6304215-\$ or US-5530926-\$ or US-5748676-\$).did.	US-PGPUB; USPAT	OR	OFF	2005/09/20 10:55
S1	54	hoffmann-john\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 10:39
S2	30	regnier-john\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 10:40

S3	221	johnson-kevin\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 10:40
S4	27	S3 and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 10:40
S5	227	nelson-george\$.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 10:40
S6	46	S5 and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 10:40
S7	100	S1 or S2 or S4 or S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 10:40
S8	0	("2004/0130487").URPN.	USPAT	OR	OFF	2005/09/19 11:01
S9	494	(342/367).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/19 12:11
S10	310	(455/277.2).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/19 12:11
S11	305	(455/277.2).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 12:35
S12	1899	antenna with diversity and (preamble or pilot)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 12:35
S13	509	S12 and direction\$3 with antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 12:36
S14	431	S13 and first with second	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 12:37
S15	327	S14 and quality	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 13:21

S16	646	((342/359) or (342/423)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/19 13:21
S17	69	S16 and (pilot or beacon or preamble)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 13:25
S18	876	((455/513) or (455/515) or (455/67.15) or (455/277) or (370/334)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/19 13:25
S19	122	S18 and (pilot or preamble or beacon) and direction\$3 and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 13:47
S20	15	wlan and directional with antenna and (pilot or preamble or beacon) and (ppdu or plcp)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 13:53
S21	12	wlan and (training adj sequence) and antenna with (align\$4 or direction\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 14:25
S22	354	(wlan or (ad adj hoc)) and (training or preamble or pilot) and diversity and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 14:25
S23	188	S22 and direction\$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 14:41
S24	231	(ad adj hoc) and (directional adj antenna\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 14:42
S25	47	S24 and (preamble or pilot or (training adj sequence))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 15:06
S26	28436	(ad adj hoc) or wlan or (wireless adj lan)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 15:06
S27	1327	S26 and direction\$ with antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 15:07

S28	372	S27 and initial	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 15:07
S29	589	S27 and (metric or quality or snr)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 15:07
S30	149	S29 and (initial or candidate or first) with (direction or angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 15:48
S31	4	((("5767807") or ("6239757"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/19 15:49
S32	436	(342/359).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/19 15:49
S33	87	S32 and (packet\$ or frame\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2005/09/19 15:52
S39	32	(US-20050202859-\$ or US-20050037822-\$ or US-20040130487-\$ or US-20040114535-\$ or US-20010022557-\$ or US-20030125002-\$ or US-20030119468-\$ or US-20020196840-\$ or US-20020067711-\$ or US-20040196822-\$ or US-20030228857-\$).did. or (US-6933887-\$ or US-6661857-\$ or US-6792290-\$ or US-6731954-\$ or US-6400317-\$ or US-6140961-\$ or US-5952963-\$ or US-6292516-\$ or US-6032033-\$ or US-6018555-\$ or US-4977616-\$ or US-6456675-\$ or US-5960350-\$ or US-5778316-\$ or US-5628052-\$ or US-5606729-\$ or US-5369801-\$ or US-6611231-\$ or US-6816460-\$).did. or (WO-2004032529-\$ or EP-517196-\$). did.	US-PGPUB; USPAT; EPO	OR	OFF	2005/09/19 15:55
S40	1	("6473036").PN. OR ("6933887"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/19 16:16

S41	25	(US-20040114535-\$ or US-20010022557-\$ or US-20030125002-\$ or US-20030119468-\$ or US-20020196840-\$ or US-20020067711-\$ or US-20040196822-\$ or US-20030228857-\$).did. or (US-6661857-\$ or US-6400317-\$ or US-6140961-\$ or US-5952963-\$ or US-6292516-\$ or US-6032033-\$ or US-6018555-\$ or US-4977616-\$ or US-6456675-\$ or US-5960350-\$ or US-5778316-\$ or US-5628052-\$ or US-5606729-\$ or US-5369801-\$ or US-6611231-\$).did. or (WO-2004032529-\$ or EP-517196-\$). did.	US-PGPUB; USPAT; EPO	OR	OFF	2005/09/20 06:06
S42	9	("4021813" "5027125" "5767807" "59 05473" "0529172" "6100843" "623975 6" "6239757" "6304215").PN.	USPAT	OR	OFF	2005/09/20 06:06
S43	2	("6347120"   "6381229").PN. OR ("6661857").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/20 06:45